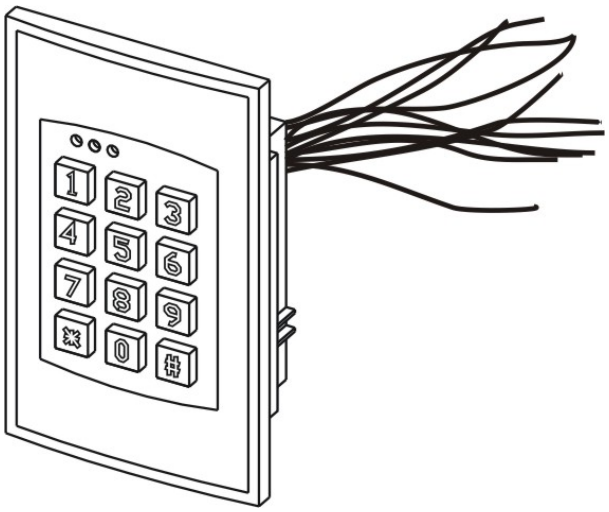
DK-100 Stand Alone Digital Keypad (5 Codes)
Operation User's Manual



I. Product Characteristic:

- Blue back light keypad, easy to recognize in the dark.
- ANSI standard size, convenience for mortise installation
- Allows up to 99 PIN codes
- Epoxy potting, water-proof design
- Dual relays operate simultaneously, able to control locks and other access control system
- Cutting spare delay time after door closes for anti-tailgating
- LED display with audible indication
- EPROM: Non-volatile memory, System will retain all programs and codes after breaks down power.
- Metal die casting housing with special screws

II. Specifications:

Operating Voltage	DC 12~24V
Current Draw	Average 35mA, Peak 130mA @ 12Vdc
Keyboard	12 keys, (0~9, ＊, ＃)
LED	Red/ Yellow/Green
Input	request-to-exit & door status contacts
Output	Dual relays, N.O./N.C./Com. Output (free voltage contact)
Relay Activation Time	Dual relays operate simultaneously （＊100） ■ Strike Time: 1~99 seconds（adjustable） ■ Strike mode: Pulse (1~99 Sec.) or Latch (0 sec.)
Relays Rated	2A MAX @30Vdc ；0.4A @ 120Vac
User codes capacity	99 slots (＊001~＊099)
Operating Temperature	-20~+70℃
Ambient Humidity	5~95% relative humidity non-condensing

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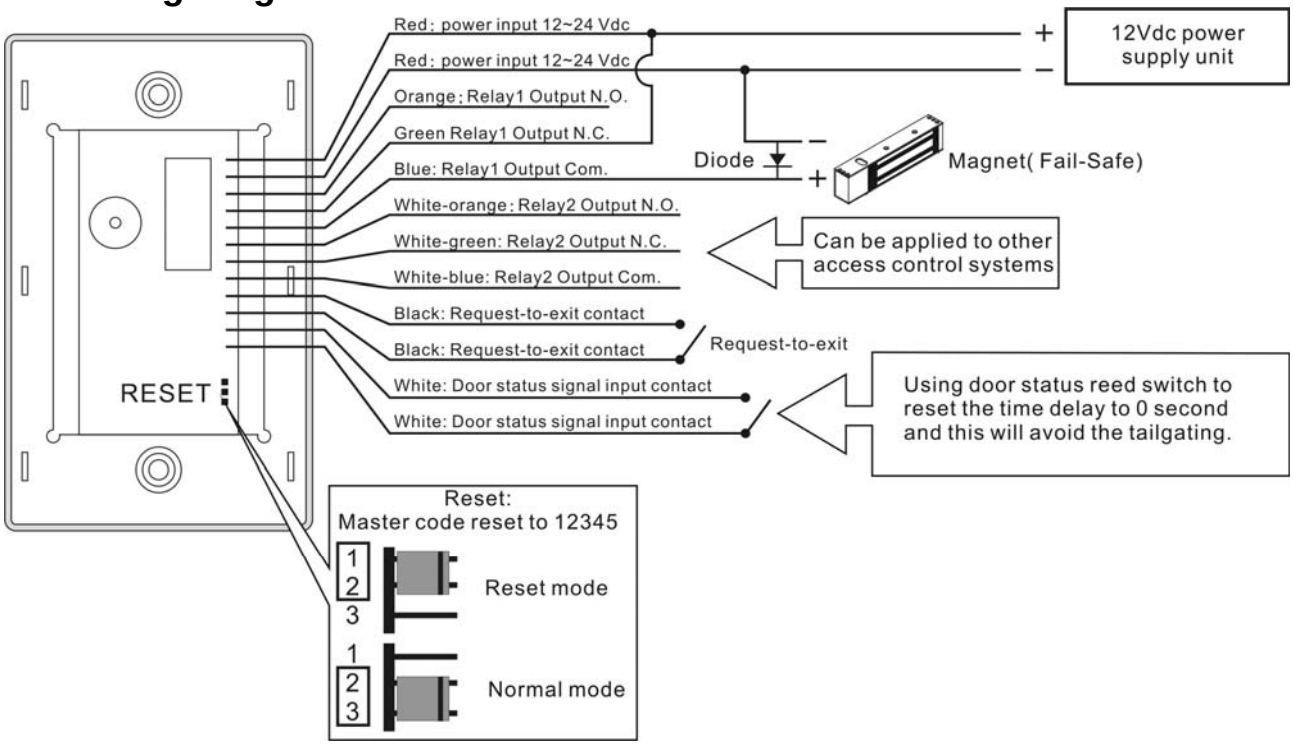
III. The indicator signal chart & Default：

LED signal	Green LED	Relay activated
	Red LED	Power on, stand-by
	Yellow LED	Programming mode
	1 Flashing Yellow LED	Key-in Code Confirmed
	Blue LED	Controller Stand-by
	Flashing Blue LED	Controller Locked
Audio	Bi	Key-in, Effective PIN codes
	Bi— x 2	Entering or Exiting from the Program mode
	Bi— x 3	Data computing error, other operation mistakes
	Bi— x 5	Master Code reset to default（12345）or remove all stored user codes

Default value	Master code	12345 (changeable)
	Time delay of relays	5 seconds
	Time delay of Keypad	5 seconds
	Time delay of programming mode	60 seconds
	Time delay of Invalid PIN Lock-out	12345 (changeable)

IV. Wiring Diagram:



Attention:

- The varistor or diode must be connected across the lock terminal (electric strike...) operated by the device. The varistor controls the overload produced by the strike coil (EMP)
- Cutting spare delay time after door closes for anti-passback: Time delay settled in 10 seconds. If the door is closed in 3 seconds, the remaining 7 seconds will be ignored and door locks automatically once the door closes.

V. Operation Instruction:

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◆ Enter Program Mode:

1. Compose twice the master code (Factory master is 「12345」)→ (2 beeps), LED: yellow → "programming mode"
2. Attention:
   - If the system is not entered any codes or data in 60 seconds, it will exit from the programming mode automatically.
   - After 30 wrong codes attempts to enter the master code, the lockout facility will operate for 60 seconds. (Keypad flashes with blue back light)

◆ Exiting from the program mode:

Press「＃」 to exit from the programming mode.

◆ Add PIN codes

Enter the Programming mode→ Enter the slot position code 「＊001~＊099」→ (beep)→????? (Enter 5 digital PIN codes) → (beep) →Enrolled.
Please repeat the procedure to set another user PIN code.
Press 「＃」 to exit from the programming mode, or program other operating.
Remarks: The codes「00000」、「1234」、or master code「12345」are not used to be PIN code.

◆ To Set Time delay for Opening door

- Enter the Programming mode→「＊100」→ (beep)→01~99 (Pressing 05 represents for 5 seconds)→ (2 beeps)→Enrolled.
  Press 「＃」 to exit from the programming mode, or program other operating.
- Press 00 for the time delay to be “Latch mode”: The first time PIN codes are entered, the relay changes from N.C. to N.O. (Red LED lights up); The second time PIN codes are entered, the relay changes from N.O. to N.C. (Red LED extinguished)

◆ To Delete a User Code

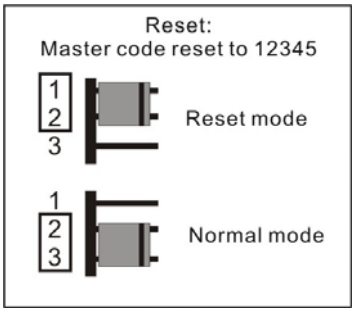
Enter the Programming mode→ Press the slot position code of your choice to delete (e.g. "06") →Press「＊006」→ (beep)→「00000」→ (beep) →deleted
Press「#」 to exit from the programming mode, or programming other operating.

◆ Changing the Master codes

Enter the Programming mode→ Enter「＊000」→ (beep)→Press the 5 digits to be the new master code→（beep）→Enrolled
Press 「#」 to exit from the programming mode, or program other operating.

◆ Master Code reset to default value 「12345」,

Insert the jumper RESET→ 1-2 position→ (5 beeps)→reset successfully→ Insert the jumper to 2-3 positions to back to normal operation mode.
Remarks: The occupied PIN codes can’t be the master codes.



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